
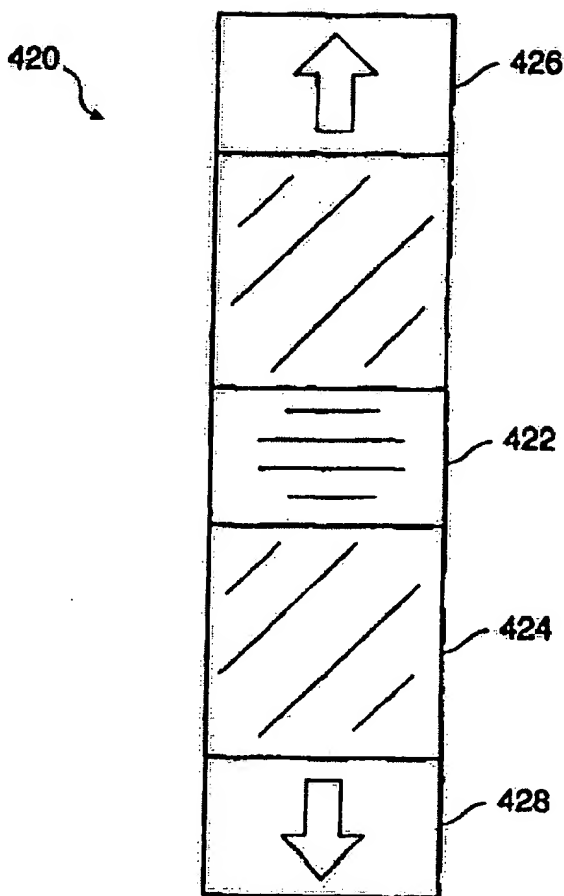


PRESSURE SENSITIVE SCROLLBAR FEATURE**Patent number:** EP0861462**Publication date:** 1998-09-02**Inventor:** ALLEN TIMOTHY P (US); GILLESPIE DAVID (US);
FERRUCCI AARON T (US)**Applicant:** SYNAPTICS INC (US)**Classification:****- International:** G06F3/033**- european:****Application number:** EP19960940319 19961106**Priority number(s):** WO1996US17862 19961106; US19950558114
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Abstract not available for EP0861462

Abstract of correspondent: **WO9718508**

A proximity sensor system includes a sensor matrix array having a characteristic capacitance on horizontal and vertical conductors connected to sensor pads. The capacitance changes as a function of the proximity of an object to the sensor matrix. The change in capacitance of each node in both the X and Y directions of the matrix due to the approach of an object is converted to a set of voltages in the X and Y directions. These voltages are processed by circuitry to develop electrical signals representative of the centroid of the profile of the object, i.e., its position in the X and Y dimensions. Noise reduction and background level setting techniques inherently available in the architecture are employed. Pressure information is used to modify the scrolling speed.



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